

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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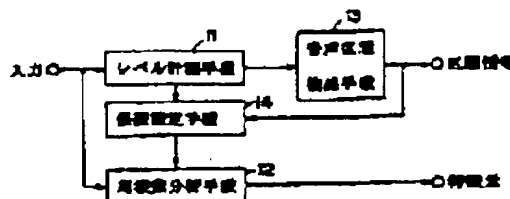
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TITLE : VOICE FEATURE QUANTITY  
EXTRACTING SYSTEM AND VOICE  
RECOGNIZING DEVICE



ABSTRACT : PURPOSE: To improve the accuracy of voice recognition by correcting an utterance fluctuation under noise and extracting the feature quantity of arm utterer.

CONSTITUTION: This device is provided with a level measuring means 11 for measuring a level of an input signal a frequency analyzing means 12 for executing a frequency analysis of the input signal, a voice section detecting means 13 for detecting a voice section in the input signal, and a coefficient setting means 14 for setting a coefficient of the frequency analyzing means, based on a level of the input signal measured by the level measuring means 11, at the time point when the voice section is not detected by the voice section detecting means. In such a state, a level of a noise for exerting the influence on an utterer is measured, and in accordance with its level, a coefficient of a frequency analysis filter is changed, and the feature quantity of a voice which corrects a spectrum deformation of utterance by a Lombard effect is obtained.

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